

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043300.D
 Acq On : 02 Dec 2025 15:57
 Operator : SY/MD
 Sample : Q3744-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:07:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	128412	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	316515	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	246017	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	170475	9.453	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	2940	0.162	ppbv	89
3) Chlorodifluoromethane	1.482	51	2070	0.116	ppbv	96
9) Propene	1.495	41	9594	1.268	ppbv #	1
11) Trichlorofluoromethane	1.890	101	3784	0.216	ppbv #	81
13) Ethanol	1.732	45	1691m	0.636	ppbv	
15) Acetone	1.845	43	61815	3.465	ppbv	97
26) Hexane	2.842	57	2281	0.135	ppbv #	49
29) Chloroform	2.861	83	8903	0.371	ppbv	93
32) 1,1,1-Trichloroethane	3.389	97	4343	0.170	ppbv	97
34) 2-Butanone	2.576	43	5464	0.245	ppbv	96
36) Benzene	3.680	78	19414	0.640	ppbv #	88
52) Tetrachloroethene	8.244	164	7694	0.682	ppbv	89
53) Toluene	6.965	91	9648m	0.269	ppbv	
59) m/p-Xylene	9.548	91	7598m	0.200	ppbv	
74) 1,2,4-Trimethylbenzene	11.548	105	4965m	0.117	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

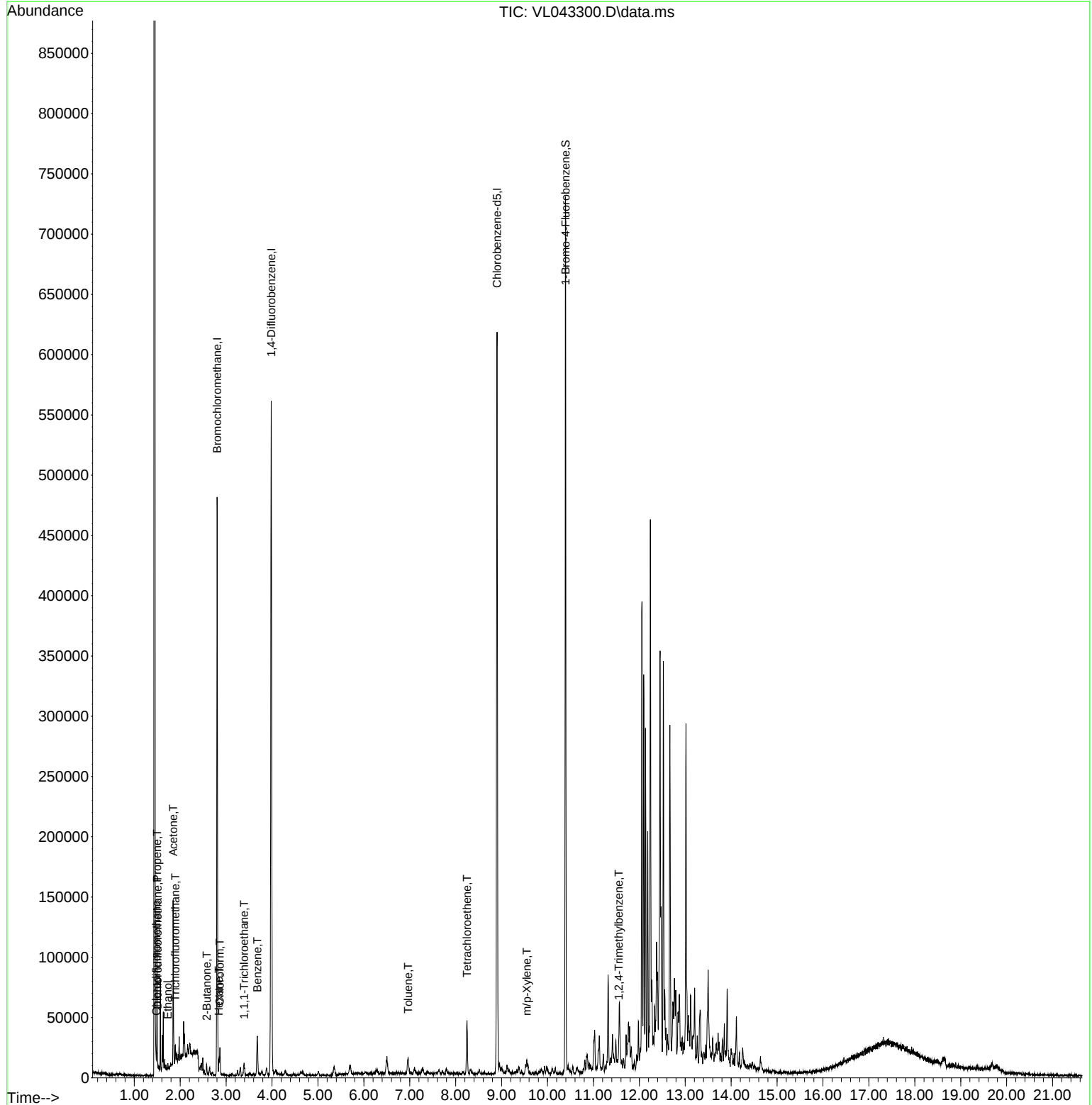
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043300.D
Acq On : 02 Dec 2025 15:57
Operator : SY/MD
Sample : Q3744-01 4X
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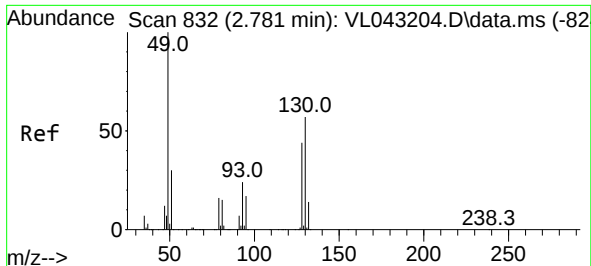
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Dec 03 00:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Manual Integrations
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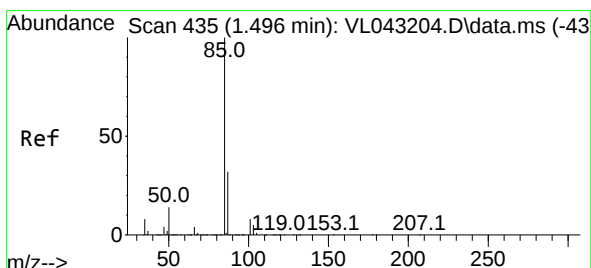
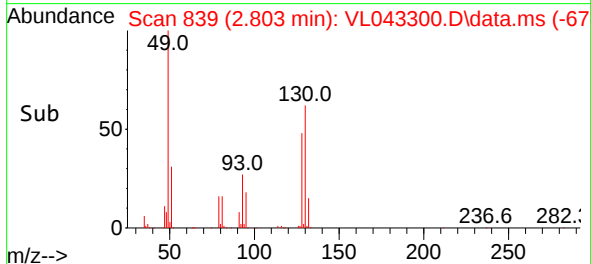
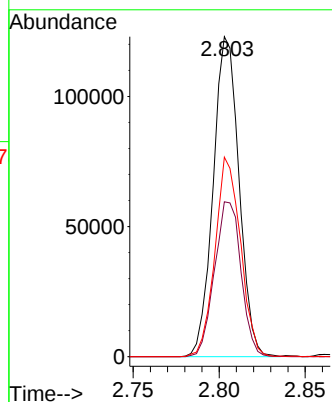
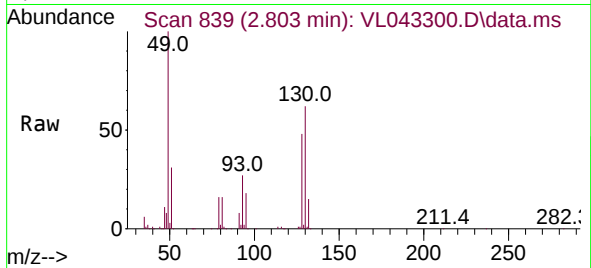
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 832
Delta R.T. 0.022 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 128412
Ion Ratio Lower Upper
49 100
128 49.5 23.0 69.0
130 61.5 29.9 89.7

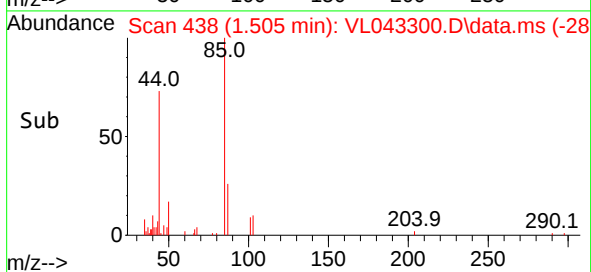
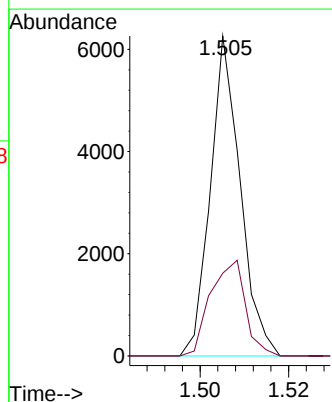
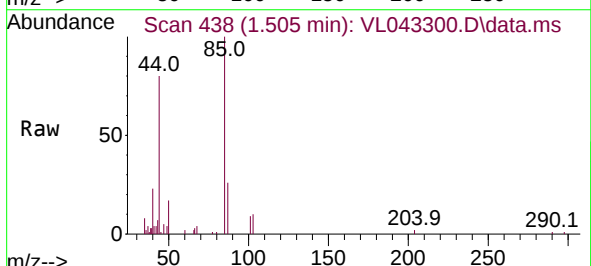
Manual Integrations
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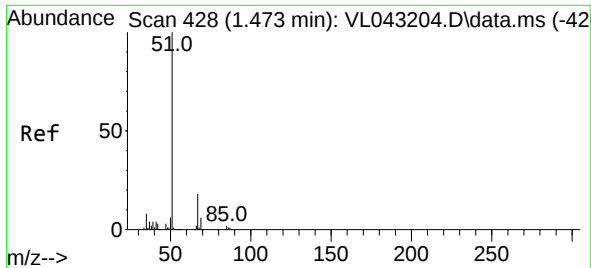
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#2
Dichlorodifluoromethane
Concen: 0.162 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

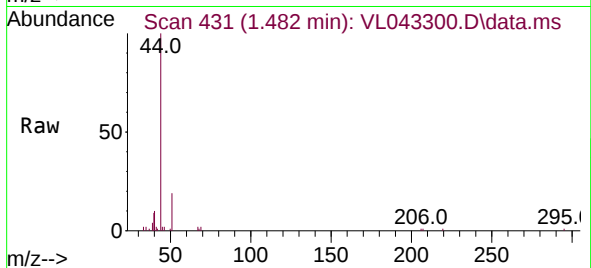
Tgt Ion: 85 Resp: 2940
Ion Ratio Lower Upper
85 100
87 25.8 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.116 ppbv
RT: 1.482 min Scan# 431
Delta R.T. 0.009 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

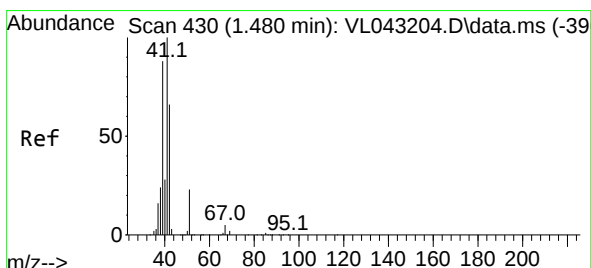
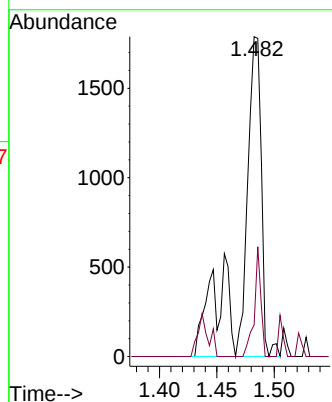
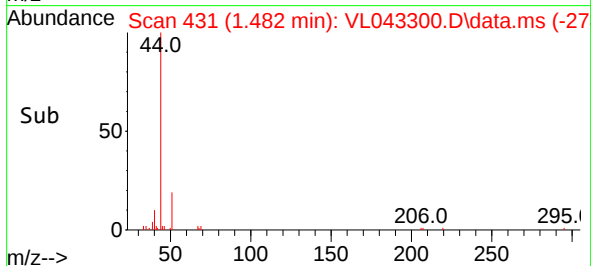
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 51 Resp: 2076
Ion Ratio Lower Upper
51 100
67 16.7 14.9 22.3

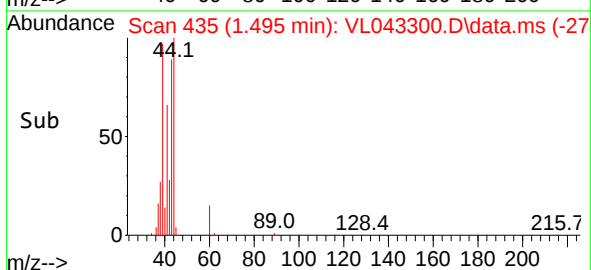
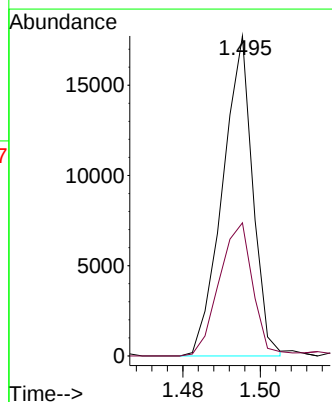
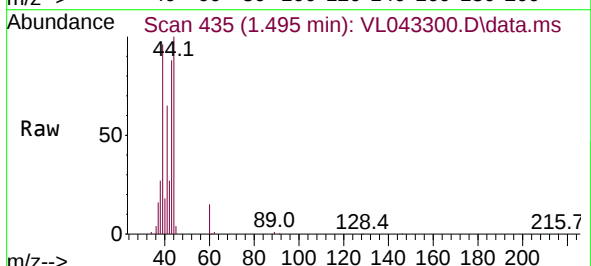
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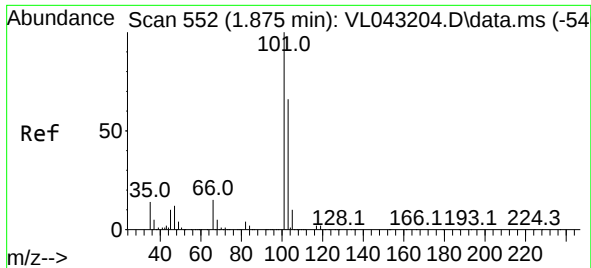
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#9
Propene
Concen: 1.268 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.016 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

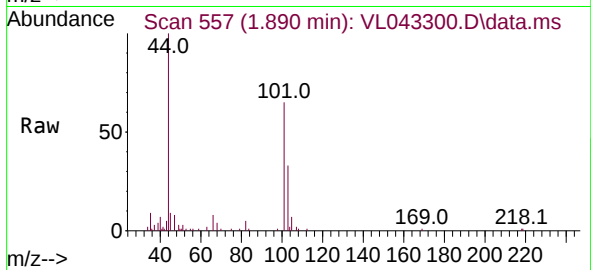
Tgt Ion: 41 Resp: 9594
Ion Ratio Lower Upper
41 100
42 48.9 3.7 5.5#





#11
Trichlorofluoromethane
Concen: 0.216 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.016 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

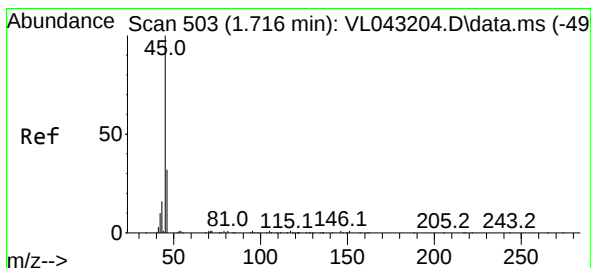
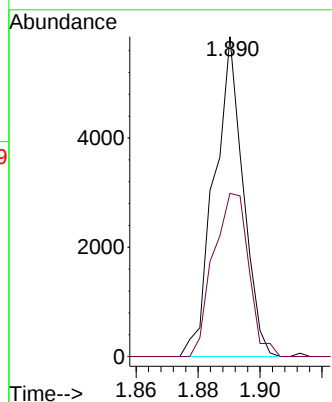
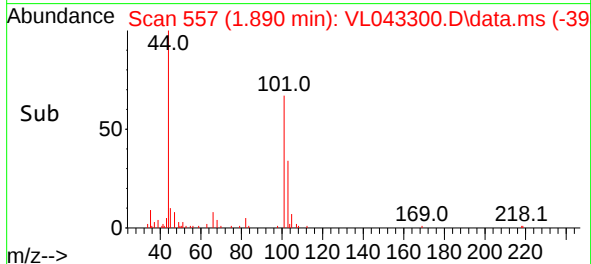
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:101 Resp: 3784
Ion Ratio Lower Upper
101 100
103 51.0 52.6 79.0

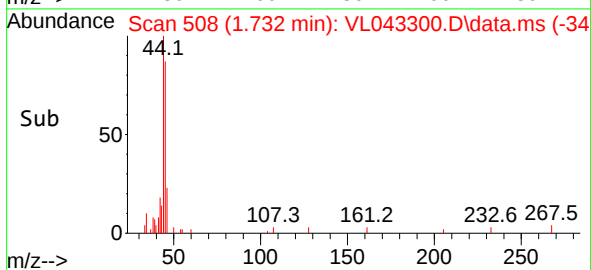
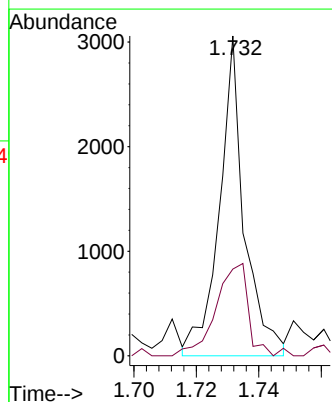
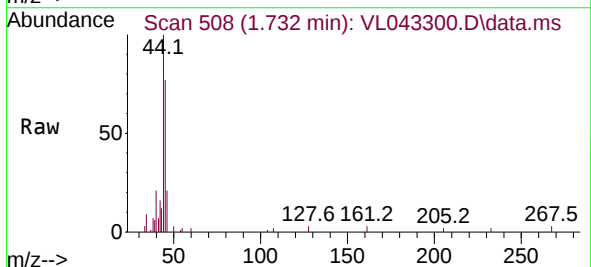
Manual Integrations
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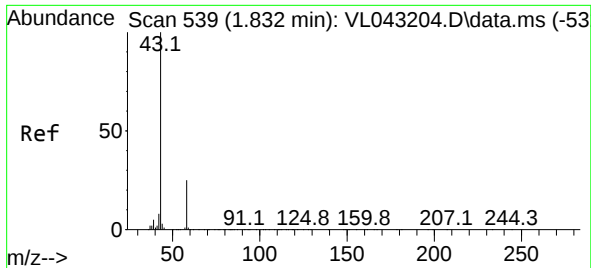
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#13
Ethanol
Concen: 0.636 ppbv m
RT: 1.732 min Scan# 508
Delta R.T. 0.016 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 45 Resp: 1691
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8





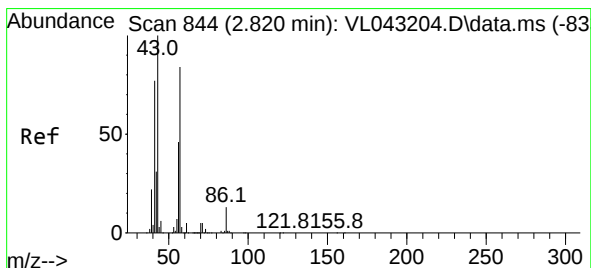
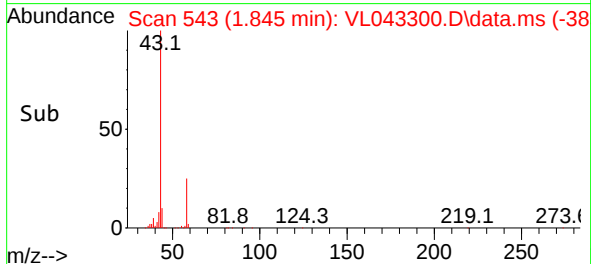
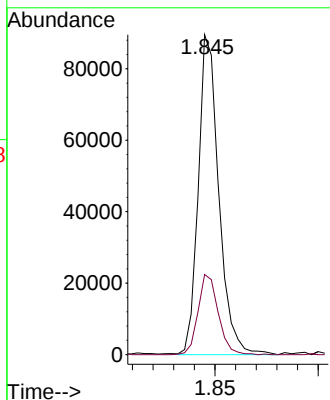
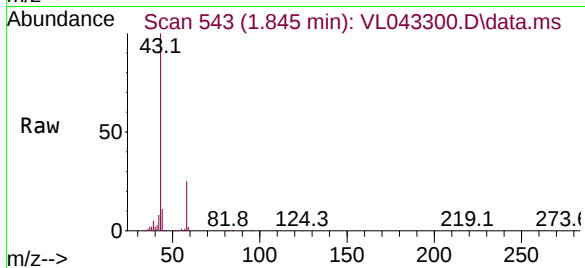
#15
Acetone
Concen: 3.465 ppbv
RT: 1.845 min Scan# 541
Delta R.T. 0.013 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 61815
Ion Ratio Lower Upper
43 100
58 24.6 20.7 31.1

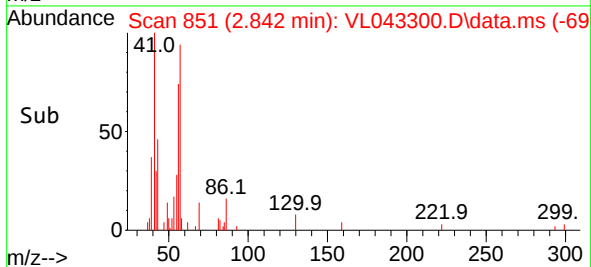
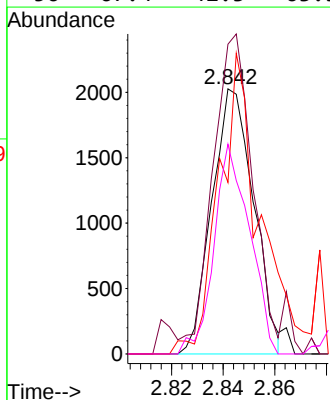
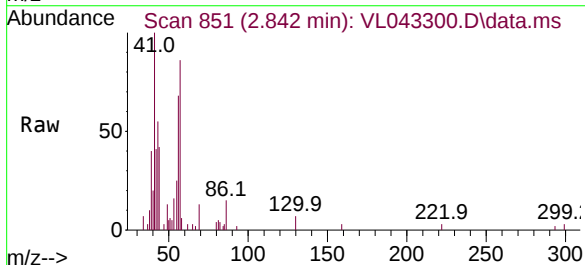
Manual Integrations
APPROVED

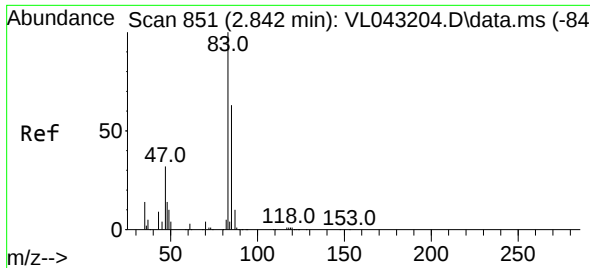
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
Hexane
Concen: 0.135 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.022 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

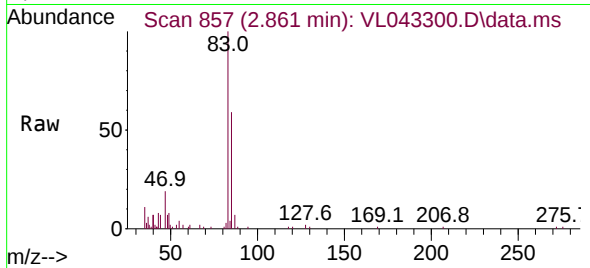
Tgt Ion: 57 Resp: 2281
Ion Ratio Lower Upper
57 100
41 125.7 74.6 111.8#
43 118.5 179.0 268.4#
56 67.4 42.3 63.5#





#29
Chloroform
Concen: 0.371 ppbv
RT: 2.861 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

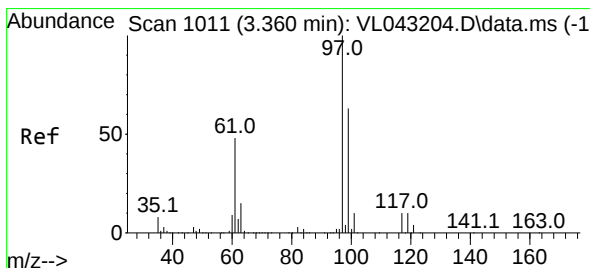
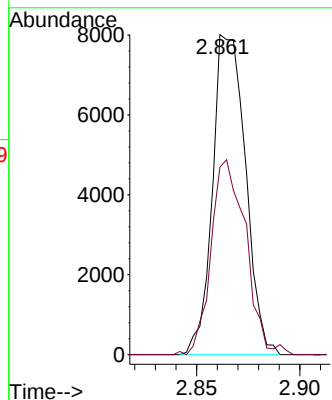
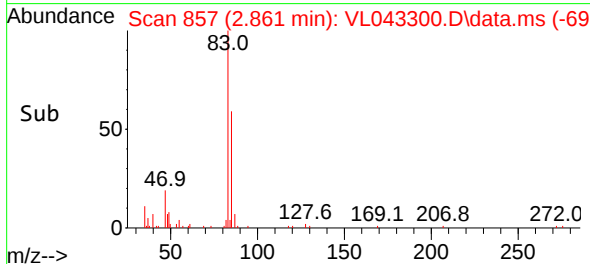
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 83 Resp: 8903
Ion Ratio Lower Upper
83 100
85 57.6 50.5 75.7

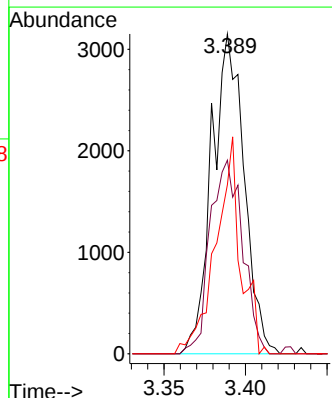
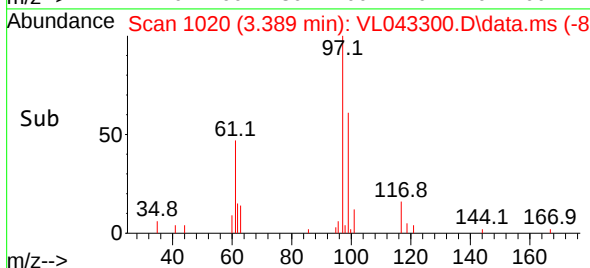
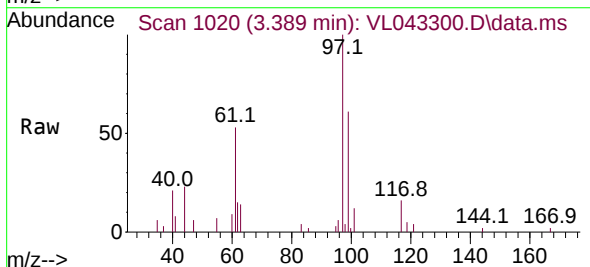
Manual Integrations
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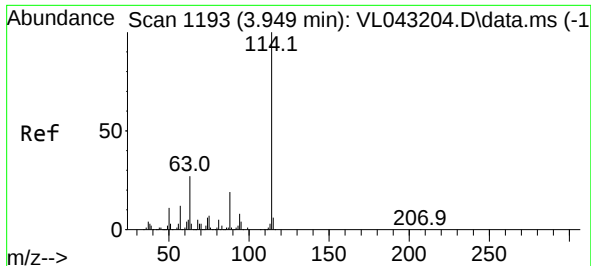
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#32
1,1,1-Trichloroethane
Concen: 0.170 ppbv
RT: 3.389 min Scan# 1020
Delta R.T. 0.029 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 97 Resp: 4343
Ion Ratio Lower Upper
97 100
99 61.8 50.3 75.5
61 51.9 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1193

Delta R.T. 0.032 min

Lab File: VL043300.D

Acq: 02 Dec 2025 15:57

Instrument :

MSVOA_L

ClientSampleId :

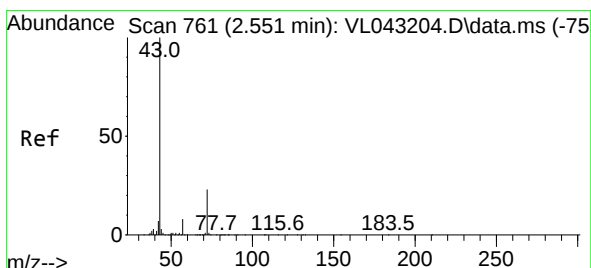
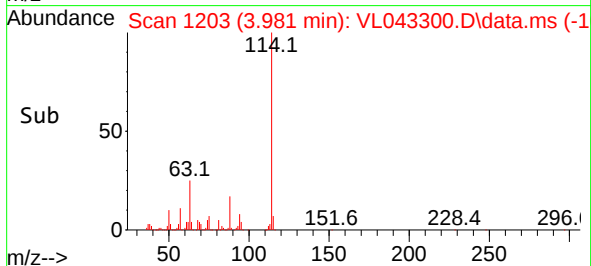
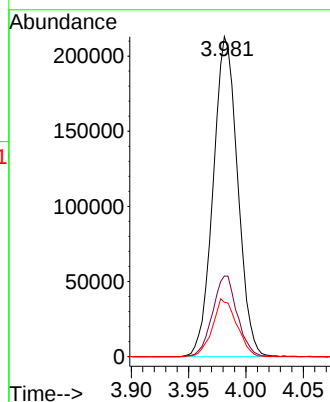
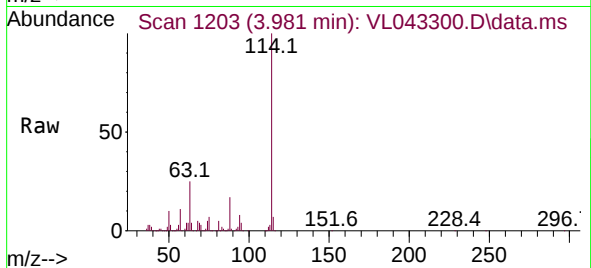
SV1

Tgt Ion:	114	Resp:	31651
Ion Ratio	Lower	Upper	
114	100		
63	25.5	21.0	31.6
88	17.8	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#34

2-Butanone

Concen: 0.245 ppbv

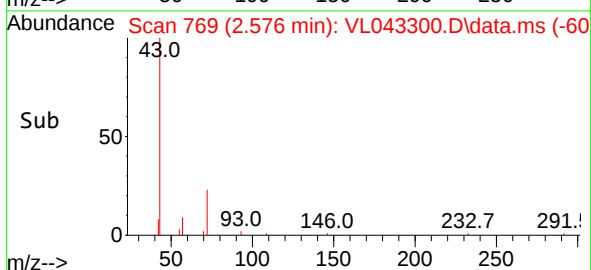
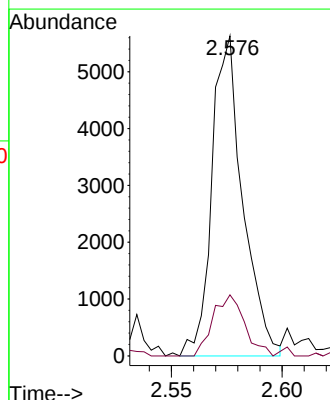
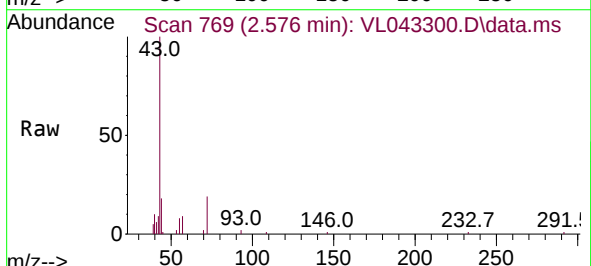
RT: 2.576 min Scan# 769

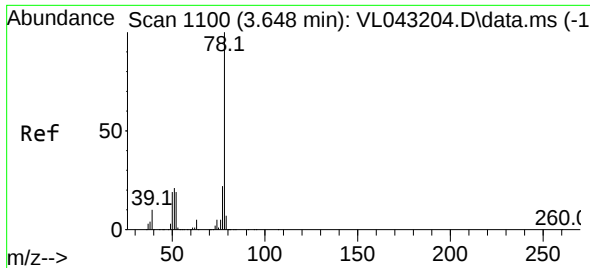
Delta R.T. 0.025 min

Lab File: VL043300.D

Acq: 02 Dec 2025 15:57

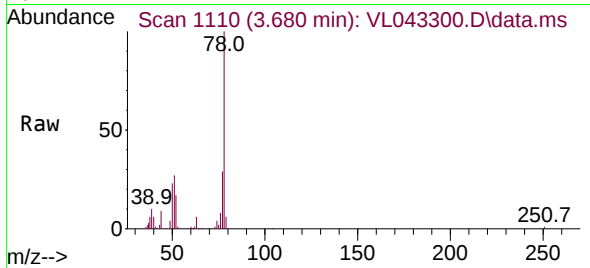
Tgt Ion:	43	Resp:	5464
Ion Ratio	Lower	Upper	
43	100		
72	20.7	18.1	27.1





#36
Benzene
Concen: 0.640 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.032 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

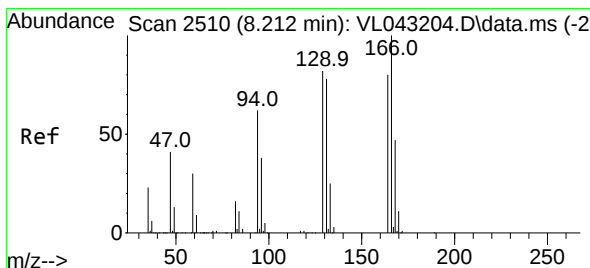
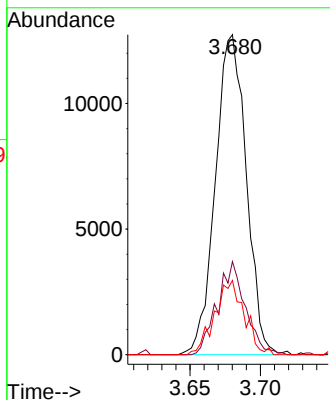
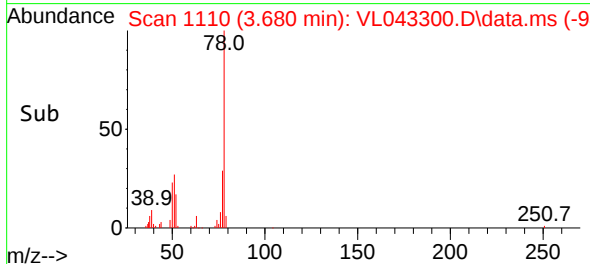
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78	Resp: 19414
Ion Ratio	Lower Upper
78	100
77	29.1 17.5 26.3
50	23.2 15.5 23.3

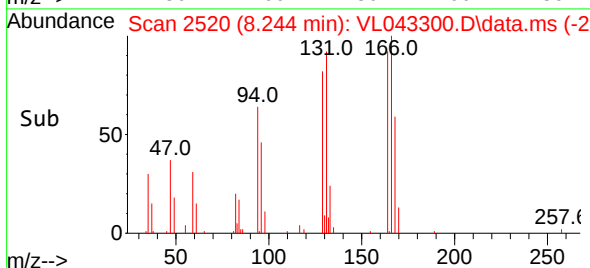
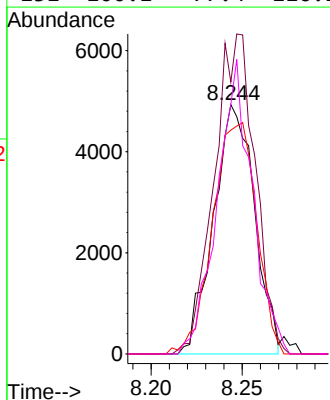
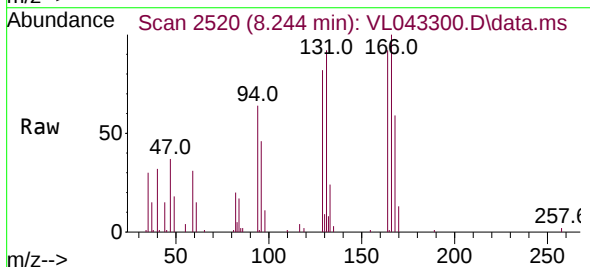
Manual Integrations
APPROVED

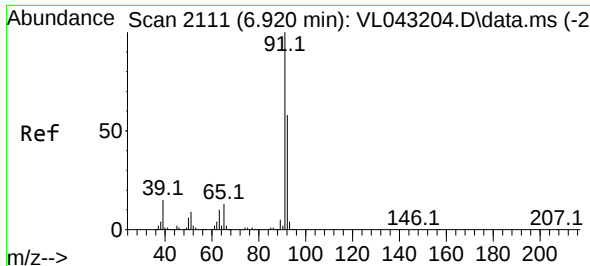
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#52
Tetrachloroethene
Concen: 0.682 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.032 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

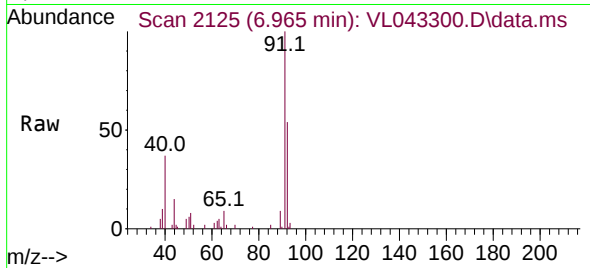
Tgt Ion: 164	Resp: 7694
Ion Ratio	Lower Upper
164	100
166	107.4 99.4 149.2
129	88.3 81.8 122.8
131	100.1 77.4 116.2





#53
Toluene
Concen: 0.269 ppbv m
RT: 6.965 min Scan# 2111
Delta R.T. 0.045 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

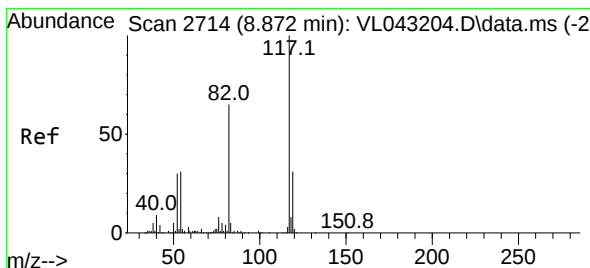
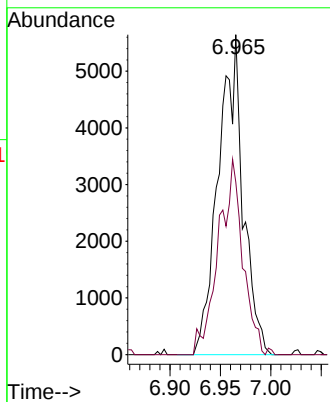
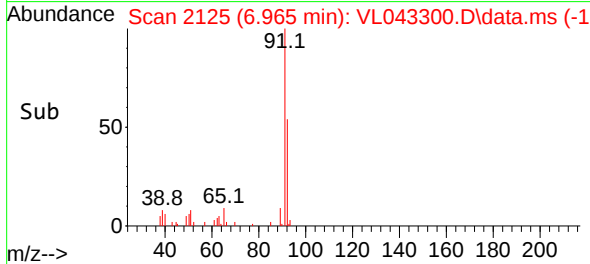
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 9648
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0

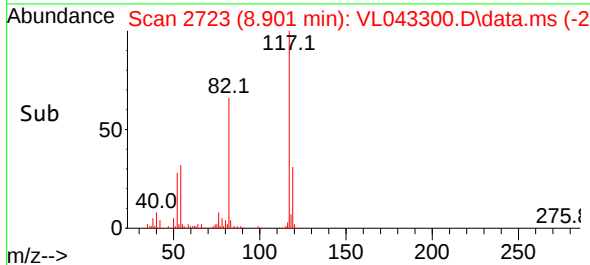
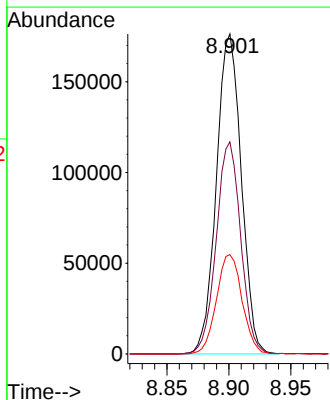
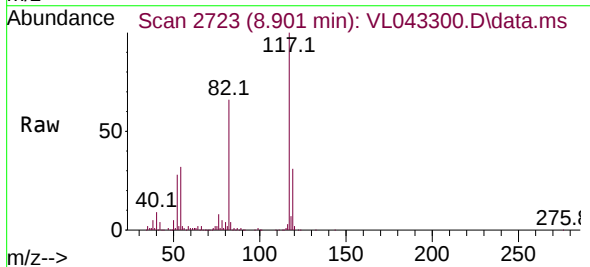
Manual Integrations
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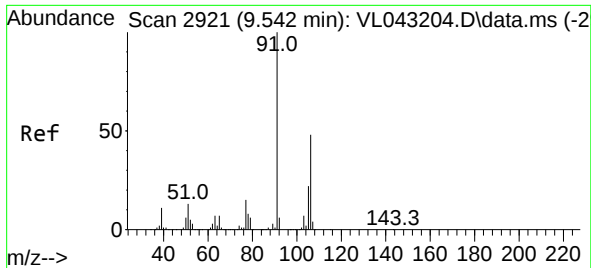
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.029 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

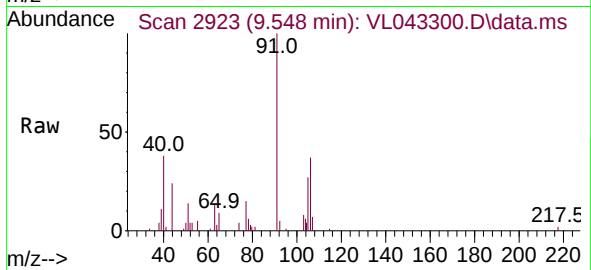
Tgt Ion:117 Resp: 246017
Ion Ratio Lower Upper
117 100
82 65.1 56.1 84.1
119 31.9 25.0 37.6





#59
m/p-Xylene
Concen: 0.200 ppbv m
RT: 9.548 min Scan# 2921
Delta R.T. 0.006 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

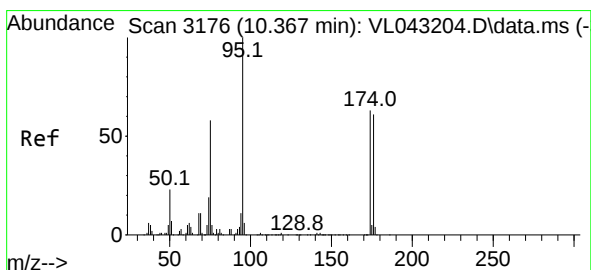
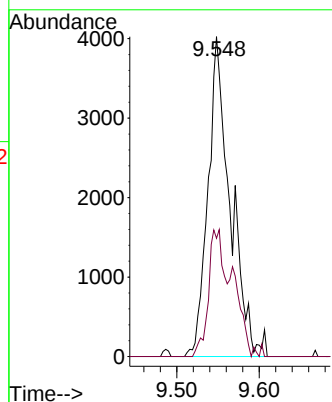
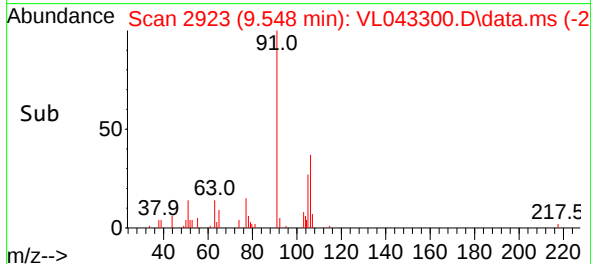
Instrument :
MSVOA_L
ClientSampleId :
SV1



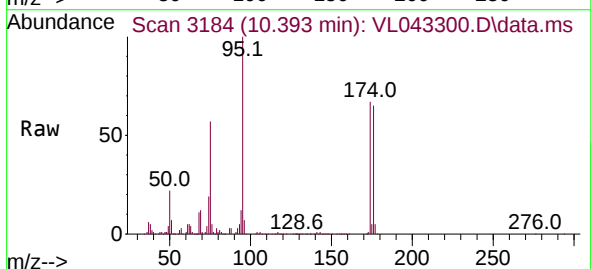
Tgt Ion: 91 Resp: 7598
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1

Manual Integrations
APPROVED

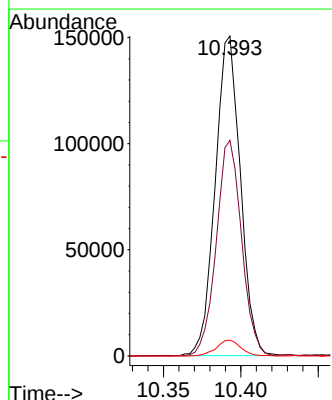
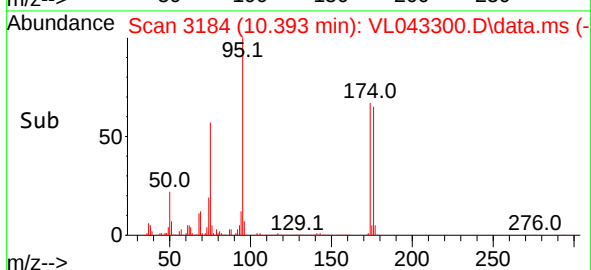
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

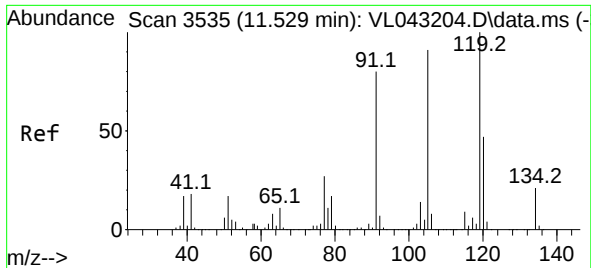


#68
1-Bromo-4-Fluorobenzene
Concen: 9.453 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.025 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57



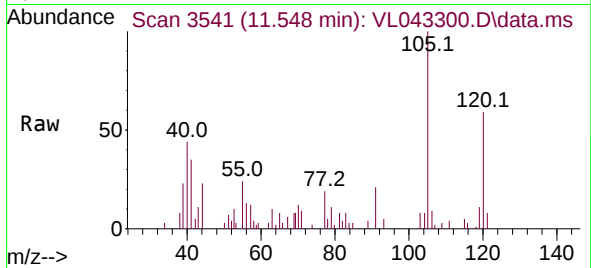
Tgt Ion: 95 Resp: 170475
Ion Ratio Lower Upper
95 100
174 68.0 50.2 75.2
175 4.8 4.1 6.1





#74
1,2,4-Trimethylbenzene
Concen: 0.117 ppbv m
RT: 11.548 min Scan# 3541
Delta R.T. 0.019 min
Lab File: VL043300.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 4965
Ion Ratio Lower Upper
105 100
120 58.6 41.7 62.5
91 20.5 70.0 105.0
77 18.6 23.8 35.8#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

